M. Flood

#10

1651

RAW SEQUENCE LISTING DATE: 09/05/2000
PATENT APPLICATION: US/09/420,092 TIME: 11:38:07

Input Set : A:\A682871.app
Output Set: N:\CRF3\09052000\I420092.raw

<110> APPLICANT: Luo, Ying
Yu, PeiWen
Huang, Betty
<120> TITLE OF INVENTION: CELL CYCLE PROTEINS ASSOCIATED WITH PCNA, COMPOSITIONS AND METHODS OF USE
<130> FILE REFERENCE: A-68287/DJB/RMS/DAV
<140> CURRENT APPLICATION NUMBER: 09/420,092
<141> CURRENT FILING DATE: 1999-10-18
<160> NUMBER OF SEQ ID NOS: 19
<170> SOFTWARE: PatentIn Ver. 2.1
<210> SEQ ID NO: 1
<211> LENGTH: 836
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

gtgaaacacc ctcggctggg aagtcagttc gttctctcct ctcctctctt cttgtttgaa 60
catggtgcgg actaaagcag acagtgttcc aggcacttac agaaaagtgg tggctgctcg 120
agcccccaga aaggtgcttg gttcttccac ctctgccact aattcgacat cagtttcatc 180
gaggaaagct gaaaataaat atgcaggagg gaaccccgtt tgcgtgcgcc caactcccaa 240
gtggcaaaaa ggaattggag aattctttag gttgtcccct aaagattctg aaaaagagaa 300
tcagattcct gaagaggcag gaagcagtgg cttaggaaaa gcaaagagaa aagcatgtcc 360
tttgcaacct gatcacacaa atgatgaaaa agaatagaac tttctcattc atctttgaat 420
aacgtctcct tgtttaccct ggtattctag aatgtaaatt tacataaatg tgtttgttcc 480
aattagcttt gttgaacagg catttaatta aaaaatttag gtttaaattt agatgttcaa 540
aagtagttgt gaaatttgag aatttgtaag actaattatg gtaacttagc ttagtattca 600
atataatgca ttgtttggtt tcttttacca aattaagtgt ctagttcttg ctaaaatcaa 660
gtcattgcat tgtgttctaa ttacaagtat gttgtatttg agatttgctt agattgttgt 720
actgctgcca tttttattgg tgtttgatta ttggaatggt gccatattgt cactccttct 780
acttgcttta aaaagcagag ttagattttt gcacattaaa aaattcagta ttaatt 836

<210> SEQ ID NO: 2
<211> LENGTH: 111
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 2

Met Val Arg Thr Lys Ala Asp Ser Val Pro Gly Thr Tyr Arg Lys Val
1 5 10 15
Val Ala Ala Arg Ala Pro Arg Lys Val Leu Gly Ser Ser Thr Ser Ala
20 25 30
Thr Asn Ser Thr Ser Val Ser Ser Arg Lys Ala Glu Asn Lys Tyr Ala
35 40 45
Gly Gly Asn Pro Val Cys Val Arg Pro Thr Pro Lys Trp Gln Lys Gly
50 55 60
Ile Gly Glu Phe Phe Arg Leu Ser Pro Lys Asp Ser Glu Lys Glu Asn
65 70 75 80
Gln Ile Pro Glu Glu Ala Gly Ser Ser Gly Leu Gly Lys Ala Lys Arg
85 90 95
Lys Ala Cys Pro Leu Gln Pro Asp His Thr Asn Asp Glu Lys Glu

RAW SEQUENCE LISTING DATE: 09/05/2000
PATENT APPLICATION: US/09/420,092 TIME: 11:38:07

Input Set : A:\A682871.app
Output Set: N:\CRF3\09052000\I420092.raw

66 100 105 110
69 <210> SEQ ID NO: 3
70 <211> LENGTH: 17
71 <212> TYPE: PRT
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 3
75 Pro Thr Pro Lys Trp Gln Lys Gly Ile Gly Glu Phe Phe Arg Leu Ser
76 1 5 10 15
78 Pro
82 <210> SEQ ID NO: 4
83 <211> LENGTH: 30
84 <212> TYPE: PRT
85 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 4
88 Leu Lys Gln Leu Asp Ala Gln Gln Gln Thr Gln Leu Arg Ile Asp Ser
89 1 5 10 15
91 Phe Phe Arg Leu Ala Gln Gln Glu Lys Glu Asp Ala Lys Arg
92 20 25 30
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 19
97 <212> TYPE: PRT
98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 5
101 Arg Gln Gly Ser Thr Gln Gly Arg Leu Asp Asp Phe Phe Lys Val Thr
102 1 5 10 15
104 Gly Ser Leu
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 20
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 6
114 Lys Arg Arg Gln Thr Ser Met Thr Asp Phe Tyr His Ser Lys Arg Arg
115 1 5 10 15
117 Leu Ile Phe Ser
118 20
121 <210> SEQ ID NO: 7
122 <211> LENGTH: 13
123 <212> TYPE: PRT
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 7
127 Thr Arg Gln Thr Thr Ile Thr Ser His Phe Ala Lys Gly
128 1 5 10
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 8
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
139 <400> SEQUENCE: 8

RAW SEQUENCE LISTING DATE: 09/05/2000
PATENT APPLICATION: US/09/420,092 TIME: 11:38:07

Input Set : A:\A682871.app
Output Set: N:\CRF3\09052000\I420092.raw

```
140 Gln Gly Arg Leu Asp Asp Phe Phe
141   1               5
144 <210> SEQ ID NO: 9
145 <211> LENGTH: 8
146 <212> TYPE: PRT
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
152 <400> SEQUENCE: 9
153 Gln Thr Ser Met Thr Asp Phe Tyr
154   1               5
157 <210> SEQ ID NO: 10
158 <211> LENGTH: 8
159 <212> TYPE: PRT
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
165 <400> SEQUENCE: 10
166 Gln Thr Thr Ile Thr Ser His Phe
167   1               5
170 <210> SEQ ID NO: 11
171 <211> LENGTH: 8
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
178 <400> SEQUENCE: 11
179 Gln Leu Arg Ile Asp Ser Phe Phe
180   1               5
183 <210> SEQ ID NO: 12
184 <211> LENGTH: 8
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
191 <400> SEQUENCE: 12
192 Gln Lys Gly Ile Gly Glu Phe Phe
193   1               5
196 <210> SEQ ID NO: 13
197 <211> LENGTH: 9
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
204 <400> SEQUENCE: 13
205 Arg Thr Val Leu Gly Val Ile Gly Asp
206   1               5
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 9
```

RAW SEQUENCE LISTING DATE: 09/05/2000
PATENT APPLICATION: US/09/420,092 TIME: 11:38:07

Input Set : A:\A682871.app
Output Set: N:\CRF3\09052000\I420092.raw

<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
<400> SEQUENCE: 14
Arg Thr Ala Leu Gly Asp Ile Gly Asn
1 5
<210> SEQ ID NO: 15
<211> LENGTH: 27
<212> TYPE: PRT
<213> ORGANISM: Rat
<400> SEQUENCE: 15
Tyr Met Thr Val Ser Ile Ile Asp Arg Phe Met Gln Asp Ser Cys Val
1 5 10 15
Pro Lys Lys Met Leu Gln Leu Val Gly Val Thr
20 25
<210> SEQ ID NO: 16
<211> LENGTH: 28
<212> TYPE: PRT
<213> ORGANISM: Mouse
<400> SEQUENCE: 16
Lys Phe Arg Leu Leu Gln Glu Thr Met Tyr Met Thr Val Ser Ile Ile
1 5 10 15
Asp Arg Phe Met Gln Asn Ser Cys Val Pro Lys Lys
20 25
<210> SEQ ID NO: 17
<211> LENGTH: 27
<212> TYPE: PRT
<213> ORGANISM: Mouse
<400> SEQUENCE: 17
Arg Ala Ile Leu Ile Asp Trp Leu Ile Gln Val Gln Met Lys Phe Arg
1 5 10 15
Leu Leu Gln Glu Thr Met Tyr Met Thr Val Ser
20 25
<210> SEQ ID NO: 18
<211> LENGTH: 27
<212> TYPE: PRT
<213> ORGANISM: Mouse
<400> SEQUENCE: 18
Asp Arg Phe Leu Gln Ala Gln Leu Val Cys Arg Lys Lys Leu Gln Val
1 5 10 15
Val Gly Ile Thr Ala Leu Leu Leu Ala Ser Lys
20 25
<210> SEQ ID NO: 19
<211> LENGTH: 18
<212> TYPE: PRT
<213> ORGANISM: Mouse
<400> SEQUENCE: 19
Met Ser Val Leu Arg Gly Lys Leu Gln Leu Val Gly Thr Ala Ala Met

RAW SEQUENCE LISTING DATE: 09/05/2000
PATENT APPLICATION: US/09/420,092 TIME: 11:38:07

Input Set : A:\A682871.app
Output Set: N:\CRF3\09052000\I420092.raw

281 1 5 10 15
283 Leu Leu

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/420,092

DATE: 09/05/2000
TIME: 11:38:08

Input Set : A:\A682871.app
Output Set: N:\CRF3\09052000\I420092.raw